



Valley Box Company provides you with the right tools to optimize your shipping process and increase your service capabilities, all while increasing efficiency and cutting costs.

# Case Study: Custom Fixture

## CHALLENGE

An Aeronautics company needed a custom fixture that would integrate three steps into one; remove a tire from the rim, mount the new tire and seal the bead. The customer was most concerned about the fixture accepting their multiple sized airplane tires and that the fixtures finished height would be suitable for safe employee operation.

## SOLUTION

Valley Box’s engineers took into account all concerns; the overall height of the fixture was built to “waist-level” for safety ergonomics, easily adjustable plates were added to allow for tire diameter flexibility on the fly, additionally designers included safety rails to prevent operators from standing too close to the fixture during operation. The fixture went thru intensive testing and was approved by the Aeronautics company for use in their production processes.

## BENEFITS

- Reduced labor by 30%
- Accepts multiple size wheels
- Streamlined 3 steps into 1
- Waist level ergonomics
- Decrease safety incidents

## TESTIMONIAL

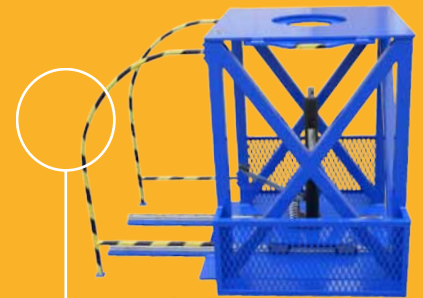
“ This fixture is so unique!  
There isn’t another one like it on the market.”



Field Technician -Jim Becker  
Valley Box Company



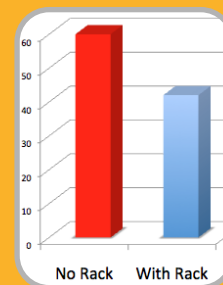
FINAL DESIGN



SAFETY RAILS



ADJUSTABLE PLATES



IMPROVED PRODUCTIVITY